



Surface Mount Ferrite Products

Inductors & Ferrite Beads

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Wire Wound Chip Inductors - L-PWS/L-PWF/L-PWI/L-PWR Series

Features:

- Small size wound chip inductor with low DC resistance
- Dimension without directional influence on mountability and characteristics

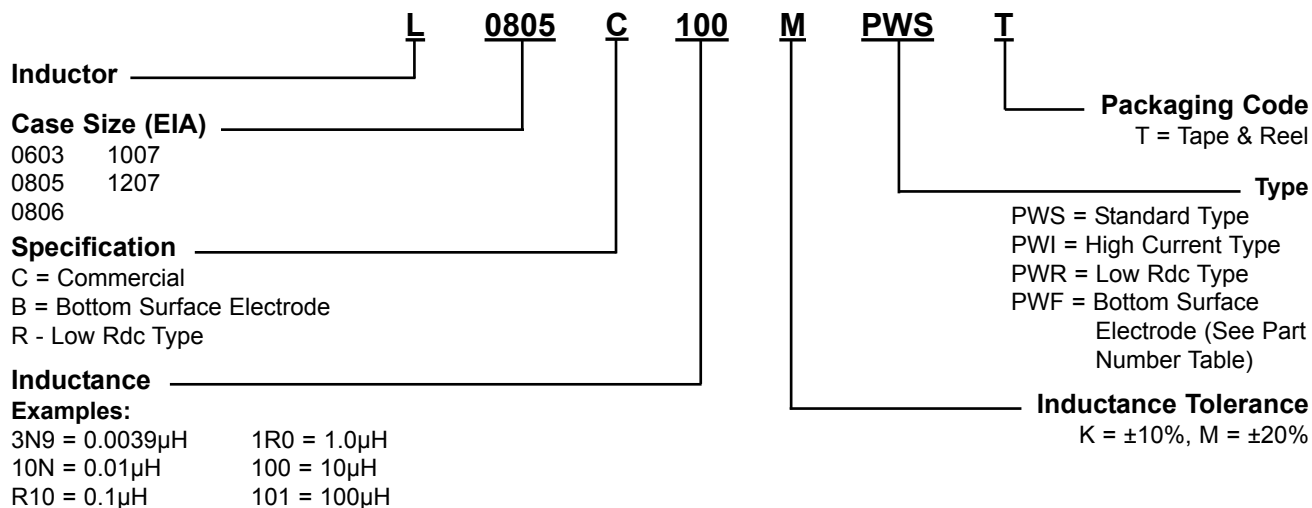
Operating Temperature:

- -40°C to +105°C (including self-generated heat)

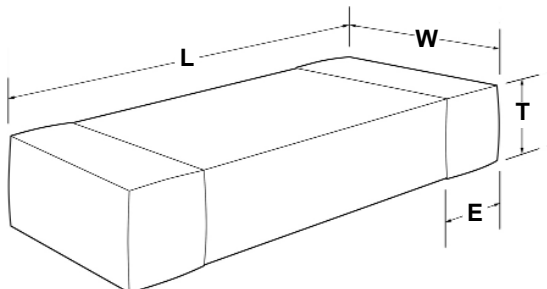
Applications:

- Digital Still Cameras (DSC), Digital Video Cameras (DVC), PDA's and other portable digital equipment
- Portable telephones and wireless LAN

Part Numbering Table



Dimension Table in millimeters (inches)



EIA Case Code	Metric Dim. Code	L Length (inches)	W Width (inches)	T Thickness Maximum (inches)	E (inches)
0603	1608	1.6 ±0.1 (0.063 ±0.004)	0.8 ±0.1 (0.031 ±0.004)	0.8 ±0.1 (0.031 ±0.004)	0.35 ±0.2 (0.014 ±0.008)
0805	2012	2.0 ±0.2 (0.079 ±0.008)	1.25 ±0.2 (0.049 ±0.008)	1.25 ±0.2 (0.049 ±0.008)	0.5 ±0.2 (0.02 ±0.008)
0806	2016	2.0 ±0.2 (0.079 ±0.008)	1.6 ±0.2 (0.063 ±0.008)	1.6 ±0.2 (0.063 ±0.008)	0.5 ±0.2 (0.02 ±0.008)
1007	2518	2.5 ±0.2 (0.098 ±0.008)	1.8 ±0.2 (0.072 ±0.008)	1.8 ±0.2 (0.072 ±0.008)	0.5 ±0.2 (0.02 ±0.008)
1207	3218	3.2 ±0.2 (0.128 ±0.008)	1.8 ±0.2 (0.072 ±0.008)	1.8 ±0.2 (0.072 ±0.008)	0.6 ±0.2 (0.024 ±0.008)

Wire Wound Chip Inductors - L-PWS, L-PWF, L-PWI, L-PWR Series

1007 Case Size High Current Type (L-PWI Series)

Ordering Code	Inductance (μH)	Inductance Tolerance	Minimum Self Resonant Frequency (MHz)	DC Resistance (Ω) (±30%)	Maximum Rated Current (mA)	Measuring Frequency (MHz)	Tape & Reel Packaging Quantity
L1007C1R0MPWIT	1.0	±20%	100	0.08	775	7.96	2,000
L1007R1R0MPWIT*	1.0	±20%	100	0.065	890	7.96	2,000
L1007C1R5MPWIT	1.5	±20%	80	0.11	660	7.96	2,000
L1007C2R2MPWIT	2.2	±20%	68	0.13	600	7.96	2,000
L1007C3R3MPWIT	3.3	±20%	54	0.16	500	7.96	2,000
L1007C4R7MPWIT	4.7	±20%	41	0.20	430	7.96	2,000
L1007C6R8MPWIT	6.8	±20%	38	0.30	360	7.96	2,000
L1007C100MPWIT	10	±20%	30	0.36	300	2.52	2,000
L1007C150MPWIT	15	±20%	23	0.65	250	2.52	2,000
L1007C220MPWIT	22	±20%	19	0.77	210	2.52	2,000
L1007C330MPWIT	33	±20%	15	1.50	170	2.52	2,000
L1007C470MPWIT	47	±20%	12	1.90	150	2.52	2,000
L1007C680MPWIT	68	±20%	9.5	2.80	120	2.52	2,000
L1007C101MPWIT	100	±20%	9.0	3.70	100	0.796	2,000
L1007C151MPWIT	150	±20%	7.0	6.10	85	0.796	2,000
L1007C221MPWIT	220	±20%	5.5	8.40	70	0.796	2,000
L1007C331MPWIT	330	±20%	4.5	12.30	60	0.796	2,000
L1007C471MPWIT	470	±20%	3.5	22.00	45	0.796	2,000
L1007C681MPWIT	680	±20%	3.0	28.00	35	0.796	2,000

* Low Rdc Type

0805 Case Size Low Rdc Type (L-PWR Series)

Ordering Code	Inductance (μH)	Inductance Tolerance	Minimum Self Resonant Frequency (MHz)	DC Resistance (Ω) (±30%)	Maximum Rated Current (mA)	Measuring Frequency (MHz)	Tape & Reel Packaging Quantity
L0805R1R0MPWRT	1.0	±20%	100	0.07	200	7.96	3,000
L0805R2R2MPWRT	2.2	±20%	80	0.13	175	7.96	3,000
L0805R4R7MPWRT	4.7	±20%	45	0.24	150	7.96	3,000
L0805R100MPWRT	10	±20%	32	0.36	125	2.52	3,000
L0805R220MPWRT	22	±20%	16	1.00	100	2.52	3,000
L0805R470MPWRT	47	±20%	11	1.70	75	2.52	3,000
L0805R101MPWRT	100	±20%	8	4.00	50	0.796	3,000

1007 Case Size Low Rdc Type (L-PWR Series)

Ordering Code	Inductance (μH)	Inductance Tolerance	Minimum Self Resonant Frequency (MHz)	DC Resistance (Ω) (±30%)	Maximum Rated Current (mA)	Measuring Frequency (MHz)	Tape & Reel Packaging Quantity
L1007R1R0MPWRT	1.0	±20%	100	0.045	400	7.96	2,000
L1007R2R2MPWRT	2.2	±20%	68	0.07	280	7.96	2,000
L1007R4R7MPWRT	4.7	±20%	45	0.1	200	7.96	2,000
L1007R100MPWRT	10	±20%	30	0.19	180	2.52	2,000
L1007R220MPWRT	22	±20%	19	0.44	120	2.52	2,000
L1007R470MPWRT	47	±20%	11	0.84	95	2.52	2,000
L1007R101MPWRT	100	±20%	9	1.89	75	0.796	2,000

Wire Wound Chip Inductors - L-DWS/L-DWI/L-DWL/L-DWF Series

Features:

- Small size wound chip inductor with high current
- Dimension without directional influence on mountability and characteristics

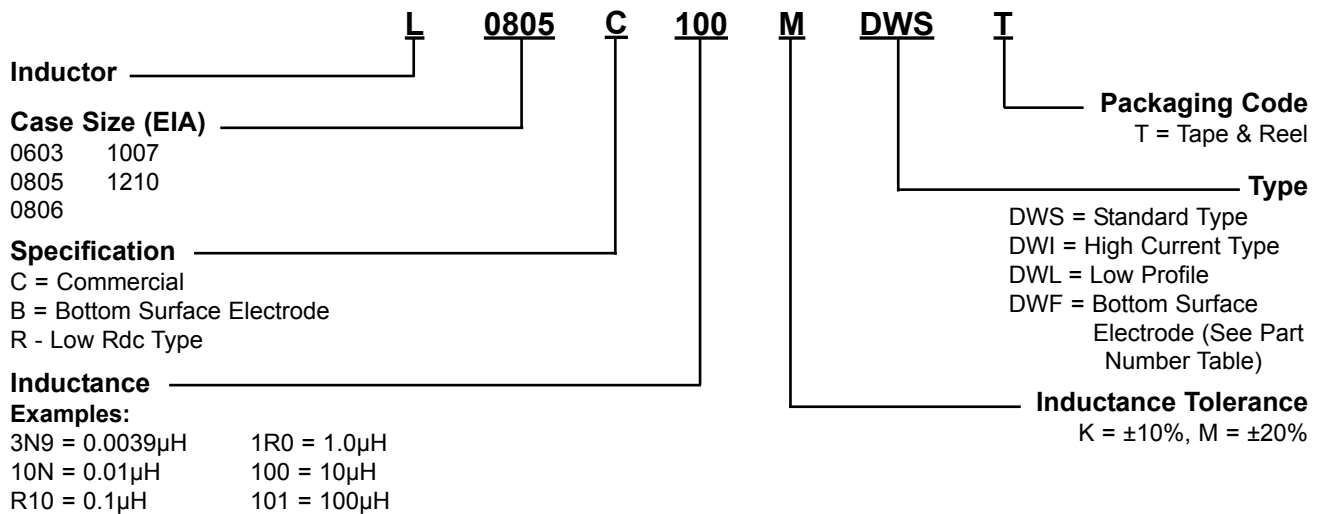
Operating Temperature:

- -40°C to +105°C (including self-generated heat)

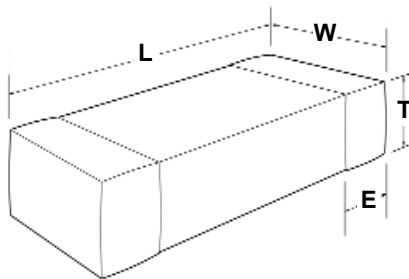
Applications:

- Digital Still Cameras (DSC), Digital Video Cameras (DVC), PDA's and other portable digital equipment
- For DC-DC converter circuit

Part Numbering Table



Dimension Table in millimeters (inches)



EIA Case Size	Metric Dim. Code	L Length (inches)	W Width (inches)	T Thickness Maximum (inches)	E (inches)
0603	1608	1.6 ±0.2 (0.063 ±0.008)	0.8 ±0.2 (0.031 ±0.008)	0.8 ±0.2 (0.031 ±0.008)	0.4 ±0.15 (0.015 ±0.006)
0805	2012	2.0 ±0.2 (0.079 ±0.008)	1.25 ±0.2 (0.049 ±0.008)	1.25 ±0.2 (0.049 ±0.008)	0.5 ±0.2 (0.02 ±0.008)
0806	2016	2.0 ±0.2 (0.079 ±0.008)	1.6 ±0.2 (0.063 ±0.008)	1.6 ±0.2 (0.063 ±0.008)	0.5 ±0.2 (0.02 ±0.008)
1007	2518	2.5 ±0.2 (0.098 ±0.008)	1.8 ±0.2 (0.071 ±0.008)	1.8 ±0.2 (0.071 ±0.008)	0.5 ±0.2 (0.02 ±0.008)
1210	3225	3.2 ±0.2 (0.126 ±0.008)	2.5 ±0.2 (0.098 ±0.008)	2.5 ±0.2 (0.098 ±0.008)	0.6 ±0.3 (0.024 ±0.012)

1007 Case Size High Current Type (L-DWI Series)

Ordering Code	Inductance (μH)	Inductance Tolerance	Minimum Self Resonant Frequency (MHz)	DC Resistance (Ω) (±30%)	Maximum Rated Current (mA)		Measuring Frequency (MHz)	Tape & Reel Packaging Quantity
					1	2		
L1007C1R0MDWIT	1.0	±20%	100	0.08	1000	1200	7.96	2,000
L1007C2R2MDWIT	2.2	±20%	68	0.13	890	1100	7.96	2,000
L1007C4R7MDWIT	4.7	±20%	41	0.20	680	920	7.96	2,000
L1007C100MDWIT	10	±20%	30	0.36	480	680	2.52	2,000
L1007C220MDWIT	22	±20%	19	0.77	320	460	2.52	2,000
L1007C470MDWIT	47	±20%	12	1.90	240	290	2.52	2,000
L1007C101MDWIT	100	±20%	9	3.7	160	170	0.796	2,000
L1007C220MDWIT	220	±20%	5.5	8.4	115	110	0.796	2,000
L1007C470MDWIT	470	±20%	3.5	22	80	70	0.796	2,000
L1007C681MDWIT	680	±20%	3	28	65	60	0.796	2,000

1210 Case Size High Current Low Rdc Type (L-DWI Series)

Ordering Code	Inductance (μH)	Inductance Tolerance	Minimum Self Resonant Frequency (MHz)	DC Resistance (Ω) (±30%)	Maximum Rated Current (mA)		Measuring Frequency (MHz)	Tape & Reel Packaging Quantity
					1	2		
L1210R1R0MDWIT	1.0	±20%	250	0.055	2000	1440	0.1	1,000
L1210R1R5MDWIT	1.5	±20%	220	0.06	2000	1310	0.1	1,000
L1210R2R2MDWIT	2.2	±20%	190	0.08	2000	1130	0.1	1,000
L1210R3R3MDWIT	3.3	±20%	160	0.095	1800	1040	0.1	1,000
L1210R4R7MDWIT	4.7	±20%	70	0.1	1250	1010	0.1	1,000
L1210R6R8MDWIT	6.8	±20%	50	0.12	930	940	0.1	1,000
L1210R100()DWIT	10	K=±10%, M=±20%	23	0.133	900	900	0.1	1,000
L1210R150()DWIT	15	K=±10%, M=±20%	20	0.195	730	850	0.1	1,000
L1210R220()DWIT	22	K=±10%, M=±20%	17	0.27	620	780	0.1	1,000
L1210R330()DWIT	33	K=±10%, M=±20%	13	0.41	500	570	0.1	1,000
L1210R470()DWIT	47	K=±10%, M=±20%	10	0.67	390	480	0.1	1,000
L1210R680()DWIT	68	K=±10%, M=±20%	8	1	320	410	0.1	1,000
L1210R101()DWIT	100	K=±10%, M=±20%	6	1.4	270	340	0.1	1,000

() - Insert Inductance Tolerance Code (K or M)

0805 Case Size Low Profile Type (L-DWL Series)

Ordering Code	Inductance (μH)	Inductance Tolerance	Minimum Self Resonant Frequency (MHz)	DC Resistance (Ω) (±30%)	Maximum Rated Current (mA)		Measuring Frequency (MHz)	Tape & Reel Packaging Quantity
					1	2		
L0805C4R7MDWLT	4.7	±20%	45	0.66	275	490	0.10	4,000
L0805C100MDWLT	10	±20%	32	1.00	205	370	0.10	4,000
L0805C470MDWLT	47	±20%	11	4.20	100	140	0.10	4,000

0603 Case Size Power, Bottom Surface Electrode Type (L-DWF 1608 Series)

Ordering Code	Inductance (μH)	Inductance Tolerance	Minimum Self Resonant Frequency (MHz)	DC Resistance (Ω) (±30%)	Maximum Rated Current (mA)		Measuring Frequency (MHz)	Tape & Reel Packaging Quantity
					1	2		
L0603B1R0MDWFT	1.0	±20%	100	0.09	290	770	7.96	2,000
L0603B2R2MDWFT	2.2	±20%	80	0.17	190	560	7.96	2,000
L0603B4R7MDWFT	4.7	±20%	45	0.24	145	470	7.96	2,000
L0603B100()DWFT	10	K=±10%, M=±20%	32	0.36	115	380	2.52	2,000
L0603B220()DWFT	22	K=±10%, M=±20%	16	1.00	70	230	2.52	2,000
L0603B470()DWFT	47	K=±10%, M=±20%	11	2.5	50	140	2.52	2,000

() - Insert Inductance Tolerance Code (K or M)

*For rated current of ordinary small power choke coils, please refer to the rated current (1) in the above table.

*For current (2) is the current for instantaneous flow such as plunging current of DC/DC converter.

In case of usage in the circuit where large current may be semicontinuously applied over 5 minutes with auto recovery circuit, etc, please contact our sales section before practical application.

Rated current (1): Current value to guarantee -30% of nominal inductance (at 20°C)

Rated current (2): Current value to guarantee component temperature within ΔT = 40°C with current flow. (It's not the current to guarantee the inductance value)

Multilayer Chip Inductors for High Frequency - L-RMS Series

Features:

- Multilayer inductor made of advanced ceramics with low resistivity silver used as internal conductors, provides excellent Q and SRF characteristics
- Multilayer block structure ensures outstanding reliability, high productivity and excellent product quality

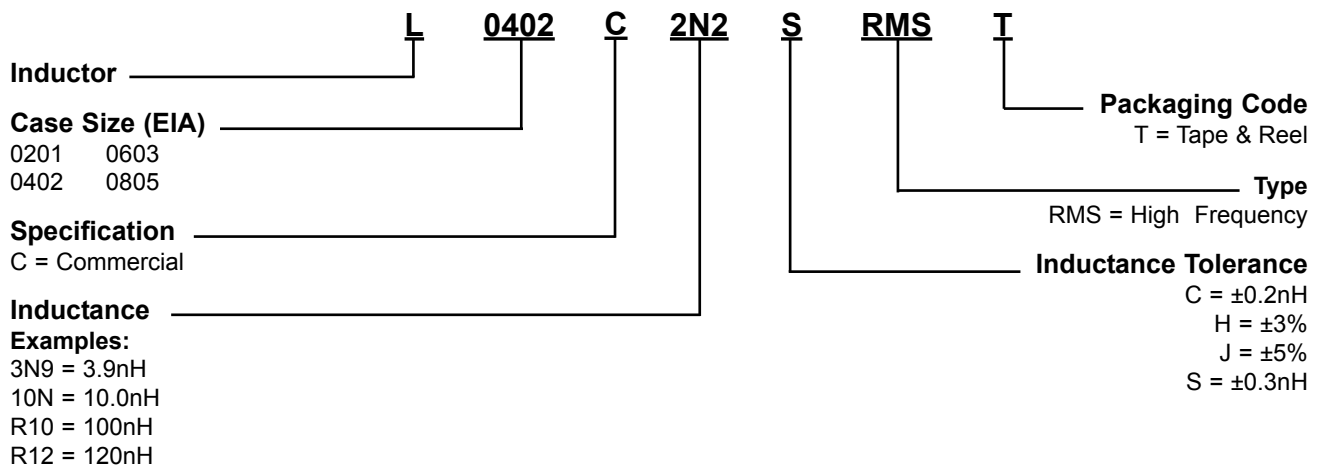
Applications:

- Designed to address surface mount inductor needs for applications above 100MHz
- Mobile phones and pagers
- High frequency circuits
- EMI counter measures in high frequency circuits

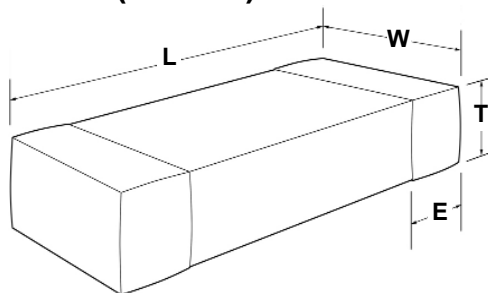
Operating Temperature:

- 0201: -55°C to +125°C
- 0402: -55°C to +125°C
- 0603: -40°C to +85°C
- 0805: -40°C to +85°C

Part Numbering Table



Dimension Table in millimeters (inches)



EIA Case Size	Metric Dim. Code	L Length (inches)	W Width (inches)	T Thickness Maximum (inches)	E (inches)
0201	0603	0.6 ± 0.03 (0.024 ± 0.001)	0.3 ± 0.03 (0.012 ± 0.001)	0.3 ± 0.03 (0.012 ± 0.001)	0.15 ± 0.05 (0.006 ± 0.002)
0402	1005	1.0 ± 0.05 (0.039 ± 0.002)	0.5 ± 0.05 (0.02 ± 0.002)	0.5 ± 0.05 (0.02 ± 0.002)	0.25 ± 0.10 (0.01 ± 0.004)
0603	1608	1.6 ± 0.15 (0.063 ± 0.006)	0.8 ± 0.15 (0.031 ± 0.006)	0.8 ± 0.15 (0.031 ± 0.006)	0.3 ± 0.2 (0.012 ± 0.008)
0805	2125	2.0 $+0.3/-0.1$ (0.079 $+0.012/-0.004$)	1.25 ± 0.2 (0.049 ± 0.008)	0.85 ± 0.2 1.0 $+0.2/-0.3$ (0.033 ± 0.008) (0.039 $+0.008/-0.012$)	0.5 ± 0.3 (0.020 ± 0.012)

Multilayer Chip Inductors - High Frequency - L-RMS Series

0805 Case Size Multilayer Chip Inductors for High Frequency (L-RMS Series)

Ordering Code	Inductance (nH)	Inductance Tolerance	Q min.	Measuring Frequency (MHz)	Typical Q					Self-resonant Frequency (MHz)		DC Resistance (Ω)		Maximum Rated Current (mA)	Thickness mm (inches)	Tape & Reel Packaging Quantity
					Frequency (MHz)					min.	typ.	max.	typ.			
					100	300	500	800	1000							
L0805C1N5SRMST	1.5	±0.3nH	10	100	21	39	57	61	68	4000	>6000	0.10	0.02	300	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805C1N8SRMST	1.8	±0.3nH	10	100	18	35	49	55	59	4000	>6000	0.10	0.02	300	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805C2N2SRMST	2.2	±0.3nH	10	100	18	33	46	53	58	4000	>6000	0.10	0.03	300	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805C2N7SRMST	2.7	±0.3nH	12	100	19	36	50	56	60	4000	>6000	0.10	0.03	300	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805C3N3SRMST	3.3	±0.3nH	12	100	16	29	40	47	51	4000	>6000	0.13	0.04	300	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805C3N9SRMST	3.9	±0.3nH	12	100	18	33	46	54	60	4000	>6000	0.15	0.05	300	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805C4N7SRMST	4.7	±0.3nH	12	100	18	34	46	55	60	3500	>6000	0.20	0.05	300	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805C5N6SRMST	5.6	±0.3nH	15	100	20	38	51	60	66	3200	5400	0.23	0.05	300	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805C6N8JRMST	6.8	±5%	15	100	20	39	52	63	69	2800	4200	0.25	0.06	300	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805C8N2JRMST	8.2	±5%	15	100	21	40	54	63	70	2400	3700	0.28	0.07	300	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805C10NJRMST	10	±5%	15	100	20	38	51	60	67	2100	3100	0.30	0.09	300	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805C12NJRMST	12	±5%	15	100	21	39	52	60	67	1900	3000	0.35	0.10	300	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805C15NJRMST	15	±5%	15	100	22	42	55	63	72	1600	2600	0.40	0.11	300	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805C18NJRMST	18	±5%	15	100	24	44	57	63	72	1500	2300	0.45	0.13	300	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805C22NJRMST	22	±5%	18	100	23	43	55	60	69	1400	2100	0.50	0.16	300	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805C27NJRMST	27	±5%	18	100	23	42	53	58	68	1300	1800	0.55	0.17	300	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805C33NJRMST	33	±5%	18	100	24	43	54	55	60	1200	1700	0.60	0.19	300	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805C39NJRMST	39	±5%	18	100	23	41	50	47	47	1000	1400	0.65	0.25	300	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805C47NJRMST	47	±5%	18	100	23	41	49	43	41	900	1200	0.70	0.26	300	1.0 +0.2/-0.3 (0.039 +0.008/-0.012)	3,000
L0805C56NJRMST	56	±5%	18	100	23	42	48	39	38	800	1100	0.75	0.28	300	1.0 +0.2/-0.3 (0.039 +0.008/-0.012)	3,000
L0805C68NJRMST	68	±5%	18	100	25	42	45	30	-	700	900	0.80	0.33	300	1.0 +0.2/-0.3 (0.039 +0.008/-0.012)	3,000
L0805C82NJRMST	82	±5%	18	100	24	41	41	-	-	600	800	0.90	0.37	300	1.0 +0.2/-0.3 (0.039 +0.008/-0.012)	3,000
L0805CR10JRMST	100	±5%	18	100	23	37	37	-	-	600	800	0.90	0.40	300	1.0 +0.2/-0.3 (0.039 +0.008/-0.012)	3,000
L0805CR12JRMST	120	±5%	13	50	22	33	29	-	-	500	700	0.95	0.43	300	1.0 +0.2/-0.3 (0.039 +0.008/-0.012)	3,000
L0805CR15JRMST	150	±5%	13	50	22	34	26	-	-	500	700	1.00	0.46	300	1.0 +0.2/-0.3 (0.039 +0.008/-0.012)	3,000
L0805CR18JRMST	180	±5%	13	50	23	34	20	-	-	400	600	1.10	0.50	300	1.0 +0.2/-0.3 (0.039 +0.008/-0.012)	3,000
L0805CR22JRMST	220	±5%	12	50	20	23	-	-	-	350	550	1.20	0.75	300	1.0 +0.2/-0.3 (0.039 +0.008/-0.012)	3,000
L0805CR27JRMST	270	±5%	12	50	20	19	-	-	-	300	480	1.30	0.85	300	1.0 +0.2/-0.3 (0.039 +0.008/-0.012)	3,000
L0805CR33JRMST	330	±5%	12	50	22	15	-	-	-	250	400	1.40	0.90	300	1.0 +0.2/-0.3 (0.039 +0.008/-0.012)	3,000
L0805CR39JRMST	390	±5%	10	50	17	12	-	-	-	250	400	1.30	0.85	300	1.0 +0.2/-0.3 (0.039 +0.008/-0.012)	3,000
L0805CR47JRMST	470	±5%	10	50	17	-	-	-	-	200	350	1.50	0.95	300	1.0 +0.2/-0.3 (0.039 +0.008/-0.012)	3,000

Multilayer Chip Inductors - L-SMS/L-PMS/L-DMI Series

Features:

- Internal printed coil structure creates a closed magnetic circuit which acts as a magnetic shield eliminating crosstalk, thus permitting higher mounting densities.
- Multilayer block structure yields higher reliability
- The smallest mH inductors in the world (SMS 0402 Series)
- Low DC power dissipation due to Low Rdc with High Aspect Ratio internal conductor that stands on the Green Sheet and Printing technologies (DMI Series)

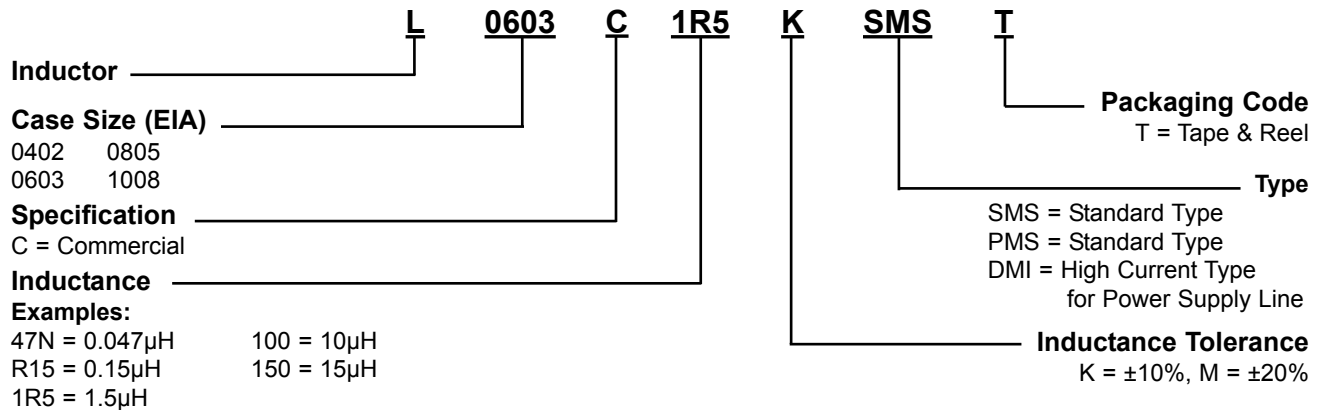
Operating Temperature:

- -40°C to +85°C

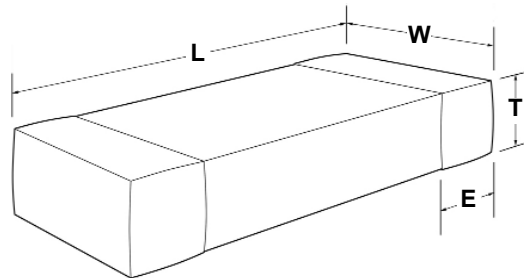
Applications:

- Any general circuit in portable equipment in which a compact size and high mounting densities are required (SMS Series)
- Separation of analog and digital circuits (PMS Series)
- Prevents interference between PLL and other digital circuits (PMS Series)
- DC/DC convertor for mobile equipment, cellular phones, DSC and DVC (PMS Series)

Part Numbering Table



Dimension Table in millimeters (inches)



EIA Case Size	Metric Dim. Code	L Length (inches)	W Width (inches)	T Thickness Maximum (inches)	E (inches)
0402	1005	1.0 ±0.05 (0.039 ±0.002)	0.50 ±0.05 (0.020 ±0.002)	0.50 ±0.05 (0.020 ±0.002)	0.25 ±0.10 (0.010 ±0.004)
0603	1608	1.6 ±0.15 (0.063 ±0.006)	0.8 ±0.15 (0.031 ±0.006)	0.8 ±0.15 (0.031 ±0.006)	0.3 ±0.2 (0.012 ±0.008)
0805	2125	2.0 +0.3/-0.1 (0.079 _0.012/-0.004)	1.25 ±0.2 (0.049 ±0.008)	0.85 ±0.2 1.25 ±0.2 (0.033 ±0.008) (0.049 ±0.008)	0.5 ±0.2 (0.02 ±0.008)
1008	2520	2.5 ±0.2 (0.098 ±0.008)	2.0 ±0.2 (0.079 ±0.008)	1.0 Max. (0.039)	0.5 ±0.3 (0.02 ±0.012)

0402 Case Size Multilayer Chip Inductors (L-SMS Series)

Ordering Code	Inductance (μH)	Inductance Tolerance	Q min.	Minimum Self Resonant Frequency (MHz)	Maximum DC Resistance (Ω)	Maximum Rated Current (mA)	Measuring Frequency (MHz)	Thickness mm (inches)	Tape & Reel Packaging Quantity
L0402CR12()SMST	0.12	K±10%. M±20%	10	180	0.70	25	25	0.5 ±0.05 (0.02 ±0.002)	10,000
L0402CR15()SMST	0.15	K±10%. M±20%	10	165	0.90	25	25	0.5 ±0.05 (0.02 ±0.002)	10,000
L0402CR18()SMST	0.18	K±10%. M±20%	10	150	1.10	25	25	0.5 ±0.05 (0.02 ±0.002)	10,000
L0402CR22()SMST	0.22	K±10%. M±20%	10	135	1.30	25	25	0.5 ±0.05 (0.02 ±0.002)	10,000
L0402CR27()SMST	0.27	K±10%. M±20%	10	120	1.50	25	25	0.5 ±0.05 (0.02 ±0.002)	10,000
L0402CR33()SMST	0.33	K±10%. M±20%	10	105	1.70	25	25	0.5 ±0.05 (0.02 ±0.002)	10,000
L0402CR39()SMST	0.39	K±10%. M±20%	20	85	0.60	10	10	0.5 ±0.05 (0.02 ±0.002)	10,000
L0402CR47()SMST	0.47	K±10%. M±20%	20	80	0.70	10	10	0.5 ±0.05 (0.02 ±0.002)	10,000
L0402CR56()SMST	0.56	K±10%. M±20%	20	75	0.80	10	10	0.5 ±0.05 (0.02 ±0.002)	10,000
L0402CR68()SMST	0.68	K±10%. M±20%	20	70	0.90	10	10	0.5 ±0.05 (0.02 ±0.002)	10,000
L0402CR82()SMST	0.82	K±10%. M±20%	20	65	1.00	10	10	0.5 ±0.05 (0.02 ±0.002)	10,000
L0402C1R0()SMST	1.0	K±10%. M±20%	20	60	1.10	10	10	0.5 ±0.05 (0.02 ±0.002)	10,000
L0402C1R2()SMST	1.2	K±10%. M±20%	20	55	1.25	10	10	0.5 ±0.05 (0.02 ±0.002)	10,000
L0402C1R5()SMST	1.5	K±10%. M±20%	20	50	1.40	10	10	0.5 ±0.05 (0.02 ±0.002)	10,000
L0402C1R8()SMST	1.8	K±10%. M±20%	20	45	1.55	10	10	0.5 ±0.05 (0.02 ±0.002)	10,000
L0402C2R2()SMST	2.2	K±10%. M±20%	20	40	1.70	10	10	0.5 ±0.05 (0.02 ±0.002)	10,000

() - Insert Inductance Tolerance Code (K or M)

0805 Case Size Multilayer Chip Inductors (L-SMS Series)

Ordering Code	Inductance (μH)	Inductance Tolerance	Q min.	Minimum Self Resonant Frequency (MHz)	Maximum DC Resistance (Ω)	Maximum Rated Current (mA)	Measuring Frequency (MHz)	Thickness mm (inches)	Tape & Reel Packaging Quantity
L0805C47NMSMST	0.047	±20%	15	320	0.20	300	50	0.85 ±0.2 (0.033 ±0.008)	2,000
L0805C68NMSMST	0.068	±20%	15	280	0.20	300	50	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805C82NMSMST	0.082	±20%	15	255	0.20	300	50	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805CR10()SMST	0.10	K±10%, M±20%	20	235	0.30	250	25	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805CR12()SMST	0.12	K±10%, M±20%	20	220	0.30	250	25	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805CR15()SMST	0.15	K±10%, M±20%	20	200	0.40	250	25	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805CR18()SMST	0.18	K±10%, M±20%	20	185	0.40	250	25	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805CR22()SMST	0.22	K±10%, M±20%	20	170	0.50	250	25	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805CR27()SMST	0.27	K±10%, M±20%	20	150	0.50	250	25	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805CR33()SMST	0.33	K±10%, M±20%	20	145	0.55	250	25	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805CR39()SMST	0.39	K±10%, M±20%	25	135	0.65	200	25	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805CR47()SMST	0.47	K±10%, M±20%	25	125	0.65	200	25	1.25 ±0.2 (0.049 ±0.008)	2,000
L0805CR56()SMST	0.56	K±10%, M±20%	25	115	0.75	150	25	1.25 ±0.2 (0.049 ±0.008)	2,000
L0805CR68()SMST	0.68	K±10%, M±20%	25	105	0.80	150	25	1.25 ±0.2 (0.049 ±0.008)	2,000
L0805CR82()SMST	0.82	K±10%, M±20%	25	100	1.00	150	25	1.25 ±0.2 (0.049 ±0.008)	2,000
L0805C1R0()SMST	1.0	K±10%, M±20%	45	75	0.40	50	10	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805C1R2()SMST	1.2	K±10%, M±20%	45	65	0.50	50	10	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805C1R5()SMST	1.5	K±10%, M±20%	45	60	0.50	50	10	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805C1R8()SMST	1.8	K±10%, M±20%	45	55	0.60	50	10	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805C2R2()SMST	2.2	K±10%, M±20%	45	50	0.65	30	10	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805C2R7()SMST	2.7	K±10%, M±20%	45	45	0.75	30	10	1.25 ±0.2 (0.049 ±0.008)	2,000
L0805C3R3()SMST	3.3	K±10%, M±20%	45	41	0.80	30	10	1.25 ±0.2 (0.049 ±0.008)	2,000
L0805C3R9()SMST	3.9	K±10%, M±20%	45	38	0.90	30	10	1.25 ±0.2 (0.049 ±0.008)	2,000
L0805C4R7()SMST	4.7	K±10%, M±20%	45	35	1.00	30	10	1.25 ±0.2 (0.049 ±0.008)	2,000
L0805C5R6()SMST	5.6	K±10%, M±20%	50	32	0.90	15	4	1.25 ±0.2 (0.049 ±0.008)	2,000
L0805C6R8()SMST	6.8	K±10%, M±20%	50	29	1.00	15	4	1.25 ±0.2 (0.049 ±0.008)	2,000
L0805C8R2()SMST	8.2	K±10%, M±20%	50	26	1.10	15	4	1.25 ±0.2 (0.049 ±0.008)	2,000
L0805C100()SMST	10	K±10%, M±20%	50	24	1.15	15	2	1.25 ±0.2 (0.049 ±0.008)	2,000
L0805C120()SMST	12	K±10%, M±20%	50	22	1.25	15	2	1.25 ±0.2 (0.049 ±0.008)	2,000
L0805C150MSMST	15	±20%	30	19	0.80	5	1	1.25 ±0.2 (0.049 ±0.008)	2,000
L0805C180MSMST	18	±20%	30	18	0.90	5	1	1.25 ±0.2 (0.049 ±0.008)	2,000
L0805C220MSMST	22	±20%	30	16	1.10	5	1	1.25 ±0.2 (0.049 ±0.008)	2,000
L0805C270MSMST	27	±20%	30	14	1.15	5	1	1.25 ±0.2 (0.049 ±0.008)	2,000
L0805C330MSMST	33	±20%	30	13	1.25	5	0.4	1.25 ±0.2 (0.049 ±0.008)	2,000

() Insert Tolerance Code (K±10% or M±20%) listed to the right

0603 Case Size Multilayer Chip Inductors (L-PMS Series)

Ordering Code	Inductance (μH)	Inductance Tolerance	Minimum Inductance at 200mA (μH)	Maximum DC Resistance (Ω)	Maximum Rated Current (mA)	Measuring Frequency (MHz)	Thickness mm (inches)	Tape & Reel Packaging Quantity
L0603C4R7MPMST	4.7	±20%	20	0.45	60	4	0.80 ±0.15 (0.031 ±0.006)	4,000
L0603C100MPMST	10.0	±20%	20	0.85	50	2	0.80 ±0.15 (0.031 ±0.006)	4,000

0805 Case Size Multilayer Chip Inductors (L-PMS Series)

Ordering Code	Inductance (μH)	Inductance Tolerance	Q min.	Minimum Self Resonant Frequency (MHz)	Maximum DC Resistance (Ω)	Maximum Rated Current (mA)	Measuring Frequency (MHz)	Thickness mm (inches)	Tape & Reel Packaging Quantity
L0805CR10MPMST	0.10	±20%	15	235	0.16	500	25	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805CR15MPMST	0.15	±20%	15	200	0.20	500	25	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805CR22MPMST	0.22	±20%	15	170	0.23	400	25	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805CR33MPMST	0.33	±20%	15	145	0.28	400	25	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805CR47MPMST	0.47	±20%	15	125	0.32	400	25	1.25 ±0.2 (0.049 ±0.008)	2,000
L0805CR68MPMST	0.68	±20%	15	105	0.45	300	25	1.25 ±0.2 (0.049 ±0.008)	2,000
L0805C1R0MPMST	1.0	±20%	20	75	0.26	220	10	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805C1R5MPMST	1.5	±20%	20	60	0.28	170	10	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805C2R2MPMST	2.2	±20%	20	50	0.35	150	10	0.85 ±0.2 (0.033 ±0.008)	4,000
L0805C3R3MPMST	3.3	±20%	20	41	0.43	130	10	1.25 ±0.2 (0.049 ±0.008)	2,000
L0805C4R7MPMST	4.7	±20%	20	35	0.48	80	10	1.25 ±0.2 (0.049 ±0.008)	2,000
L0805C6R8MPMST	6.8	±20%	20	29	0.52	70	4	1.25 ±0.2 (0.049 ±0.008)	2,000
L0805C100MPMST	10.0	±20%	20	24	0.65	60	2	1.25 ±0.2 (0.049 ±0.008)	2,000

1008 Case Size Multilayer Chip Inductors (L-DMI Series)

Ordering Code	Inductance (μH)	Inductance Tolerance	Minimum Inductance at 200mA (μH)	Maximum DC Resistance (Ω)	Maximum Rated Current (mA)	Measuring Frequency (MHz)	Thickness mm (inches)	Tape & Reel Packaging Quantity
L1008C2R2MDMIT	2.2	±20%	1.5	0.09	1300	1	1.0 max (0.039 max)	4,000
L1008C3R3MDMIT	3.3	±20%	2.0	0.10	1200	1	1.0 max (0.039 max)	4,000
L1008C4R7MDMIT	4.7	±20%	2.5	0.15	1100	1	1.0 max (0.039 max)	4,000

Low Profile SMD Inductors (L-DWD Series)

Features:

- Small and low profile inductor
- Corresponds to high current
- Simple and original magnetic shield structure
- Structure strong against shock-proof

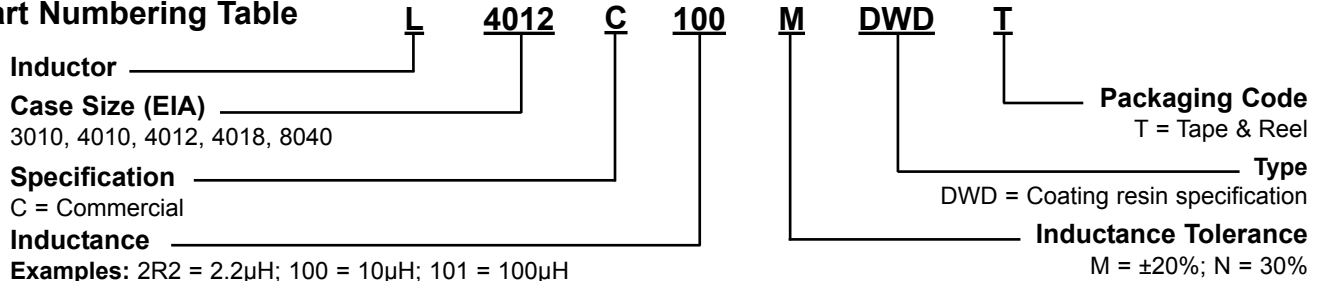
Applications:

- For small DC/DC converter; cellular phones, HDD, HVC, DSC, and PDA LCD display

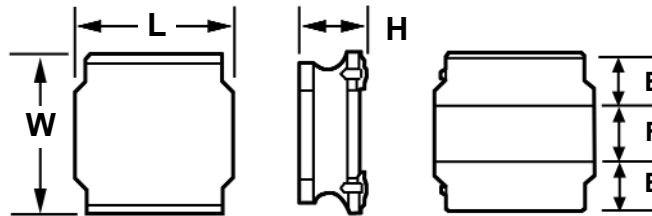
Operating Temperature:

- -25°C to +120°C (including self-generated heat)

Part Numbering Table



Dimension Table in millimeters (inches)



Metric Dim. Code	L Length (inches)	W Width (inches)	T Thickness Maximum (inches)	E (inches)	F
3010	3.0 ±0.1 (0.118 ±0.004)	3.0 ±0.1 (0.118 ±0.004)	1.0 max. (0.039 max.)	0.9 ±0.2 (0.035 ±0.008)	1.9 ±0.2 (0.075 ±0.008)
4010	4.0 ±0.2 (0.157 ±0.008)	4.0 ±0.2 (0.157 ±0.008)	1.0 max. (0.039 max.)	1.1 ±0.2 (0.043 ±0.008)	2.5 ±0.2 (0.098 ±0.008)
4012	4.0 ±0.2 (0.157 ±0.008)	4.0 ±0.2 (0.157 ±0.008)	1.2 max. (0.047 max.)	1.1 ±0.2 (0.043 ±0.008)	2.5 ±0.2 (0.098 ±0.008)
4018	4.0 ±0.2 (0.157 ±0.008)	4.0 ±0.2 (0.157 ±0.008)	1.8 max. (0.071 max.)	1.1 ±0.2 (0.043 ±0.008)	2.5 ±0.2 (0.098 ±0.008)
8040	8.0 ±0.2 (0.315 ±0.008)	8.0 ±0.2 (0.315 ±0.008)	4.2 max (0.165 max)	1.6 ±0.3 (0.063 ±0.012)	5.6 ±0.3 (0.220 ±0.012)

Dimensions 3.0mm x 3.0mm (L-DWD3010 Type, 1.0mm Max. Height)

Ordering Code	Inductance (μH)	Inductance Tolerance	Measuring Frequency (KHz)	Minimum Self-resonant Frequency (MHz)	Maximum DC Resistance (Ω) ±30%	Maximum Rated Current (mA)	Maximum Height (mm)	Tape & Reel Packaging Quantity
L3010C1R0NDWDT	1.0	±30%	100	126	0.065	1300	1.0	2,000
L3010C1R5NDWDT	1.5	±30%	100	98	0.08	1200	1.0	2,000
L3010C2R2MDWDT	2.2	±20%	100	82	0.095	1100	1.0	2,000
L3010C3R3MDWDT	3.3	±20%	100	63	0.14	870	1.0	2,000
L3010C4R7MDWDT	4.7	±20%	100	56	0.19	750	1.0	2,000
L3010C6R8MDWDT	6.8	±20%	100	46	0.30	610	1.0	2,000
L3010C100MDWDT	10	±20%	100	35	0.45	500	1.0	2,000
L3010C150MDWDT	15	±20%	100	30	0.74	400	1.0	2,000
L3010C220MDWDT	22	±20%	100	25	1.03	350	1.0	2,000
L3010C330MDWDT	33	±20%	100	20	1.55	260	1.0	2,000
L3010C470MDWDT	47	±20%	100	17	2.05	220	1.0	2,000

Dimensions 4.0mm x 4.0mm (L-DWD4010 Type, 1.0mm Max. Height)

Ordering code	Inductance (μH)	Inductance Tolerance	Measuring Frequency (KHz)	Minimum Self-resonant Frequency (MHz)	Maximum DC Resistance (Ω) ±30%	Maximum Rated Current (mA)	Maximum Height (mm)	Tape & Reel Packaging Quantity
L4010C1R0NDWDT	1.0	±30%	100	116	0.10	1050	1.0	5,000
L4010C2R2NDWDT	2.2	±30%	100	73	0.15	890	1.0	5,000
L4010C3R3MDWDT	3.3	±20%	100	58	0.18	820	1.0	5,000
L4010C4R7MDWDT	4.7	±20%	100	47	0.21	750	1.0	5,000
L4010C6R8MDWDT	6.8	±20%	100	38	0.30	620	1.0	5,000
L4010C100MDWDT	10	±20%	100	31	0.38	560	1.0	5,000
L4010C150MDWDT	15	±20%	100	24	0.51	470	1.0	5,000
L4010C220MDWDT	22	±20%	100	19	0.87	360	1.0	5,000
L4010C330MDWDT	33	±20%	100	15	1.54	280	1.0	5,000
L4010C470MDWDT	47	±20%	100	13	1.81	240	1.0	5,000

High Current Ferrite Chip Beads - Z-PWS/Z-PWZ Series

Features:

- Power supply units:
 - Large withstand voltage (allowable current up to 6A)
 - Resistant to high energy
 - High reliability
- There are several variations of the standard (Z-PWS) type (10th digit in part number)
 - "A" for broadband
 - "B" for upper MHz range applications
 - "G" for GHz range applications
- The Z-PWZ type is optimal for circuit designs which require impedance and large currents to combat radiated noise on power lines, etc.

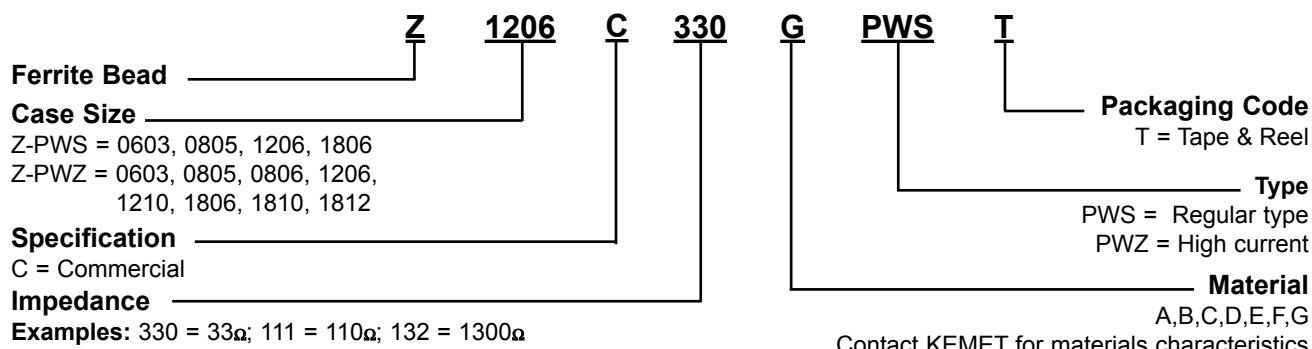
Applications:

- Combats power line radiated and conducted noise
- Provides waveform correction of digital signals and high frequency noise countermeasures in various types of digital equipment
- Automotive
- Computer peripherals
- Differential transmission line on USB and similar products
- Mobile devices which require lower power consumption

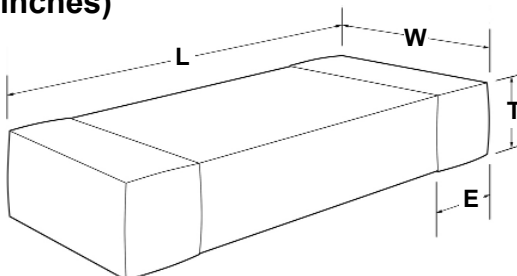
Operating Temperature:

- -40°C to +125°C (includes self-generated heat)

Part Numbering Table



Dimension Table in millimeters (inches)



Characteristic Code	EIA Case Size	Metric Dim. Code	L Length (inches)	W Width (inches)	T Thickness Maximum (inches)	E (inches)
Z-PWS	0603	1608	1.6 ±0.2 (0.063 ±0.008)	0.8 ±0.2 (0.031 ±0.008)	0.8 ±0.2 (0.031 ±0.008)	0.3 ±0.2 (0.012 ±0.008)
	0805	2125	2.0 ±0.2 (0.079 ±0.008)	1.25 ±0.2 (0.049 ±0.008)	0.85 ±0.2 (0.02 ±0.002)	0.5 ±0.3 (0.020 ±0.012)
	1206	3216	3.2 ±0.3 (0.126 ±0.012)	1.6 ±0.2 (0.063 ±0.008)	1.6 ±0.2 (0.063 ±0.008)	0.5 ±0.3 (0.020 ±0.012)
	1806	4516	4.5 ±0.3 (0.177 ±0.012)	1.6 ±0.2 (0.063 ±0.008)	1.6 ±0.2 (0.063 ±0.008)	0.5 ±0.3 (0.020 ±0.012)
Z-PWZ	0603	1608	1.6 ±0.1 (0.063 ±0.004)	0.8 ±0.1 (0.031 ±0.004)	0.8 ±0.1 (0.031 ±0.004)	0.3 ±0.15 (0.012 ±0.006)
	0805	2012	2.0 ±0.2 (0.079 ±0.008)	1.25 ±0.2 (0.049 ±0.008)	0.85 ±0.2 (0.02 ±0.002)	0.5 ±0.3 (0.020 ±0.012)
	0806	2016	2.0 ±0.2 (0.079 ±0.008)	1.6 ±0.2 (0.063 ±0.008)	1.6 ±0.2 (0.063 ±0.008)	0.5 ±0.3 (0.020 ±0.012)
	1206	3216	3.2 ±0.3 (0.126 ±0.012)	1.6 ±0.2 (0.063 ±0.008)	1.6 ±0.2 (0.063 ±0.008)	0.5 ±0.3 (0.020 ±0.012)
	1210	3225	3.2 ±0.3 (0.126 ±0.012)	2.5 ±0.3 (0.098 ±0.012)	2.5 ±0.3 (0.098 ±0.012)	0.5 ±0.3 (0.020 ±0.012)
	1806	4516	4.5 ±0.3 (0.177 ±0.012)	1.6 ±0.2 (0.063 ±0.008)	1.6 ±0.2 (0.063 ±0.008)	0.5 ±0.3 (0.020 ±0.012)
	1810	4525	4.5 ±0.4 (0.177 ±0.016)	2.5 ±0.3 (0.098 ±0.012)	2.5 ±0.3 (0.098 ±0.012)	0.9 ±0.6 (0.035 ±0.024)
	1812	4532	4.5 ±0.4 (0.177 ±0.016)	3.2 ±0.3 (0.126 ±0.012)	3.2 ±0.3 (0.126 ±0.012)	0.9 ±0.6 (0.035 ±0.024)

0603 Case Size High Current Ferrite Chip Beads (Z-PWS Series)

Ordering Code	Impedance (Ω)	Measuring Frequency (MHz)	Maximum DC Resistance (Ω)	Maximum Rated Current (A)	Thickness mm (inches)	Tape & Reel Packaging Quantity
Z0603C230BPWST	23 ±30%	100	0.007	4	0.8 ±0.2 (0.031 ±0.008)	4,000
Z0603C280APWST	28 ±30%	100	0.007	4	0.8 ±0.2 (0.031 ±0.008)	4,000

0805 Case Size High Current Ferrite Chip Beads (Z-PWS Series)

Ordering Code	Impedance (Ω)	Measuring Frequency (MHz)	Maximum DC Resistance (Ω)	Maximum Rated Current (A)	Thickness mm (inches)	Tape & Reel Packaging Quantity
Z0805C8R0GPWST	8 ±30%	100	0.01	2	0.85 ±0.2 (0.033 ±0.008)	4,000
Z0805C210BPWST	21 ±30%	100	0.004	6	0.85 ±0.2 (0.033 ±0.008)	4,000
Z0805C250APWST	25 ±30%	100	0.004	6	0.85 ±0.2 (0.033 ±0.008)	4,000
Z0805C330BPWST	33 ±25%	100	0.008	4	0.85 ±0.2 (0.033 ±0.008)	4,000
Z0805C420APWST	42 ±25%	100	0.008	4	0.85 ±0.2 (0.033 ±0.008)	4,000

1206 Case Size High Current Ferrite Chip Beads (Z-PWS Series)

Ordering Code	Impedance (Ω)	Measuring Frequency (MHz)	Maximum DC Resistance (Ω)	Maximum Rated Current (A)	Thickness mm (inches)	Tape & Reel Packaging Quantity
Z1206C380BPWST	38 ±30%	100	0.005	6	1.1 ±0.2 (0.043 ±0.008)	2,000
Z1206C480APWST	48 ±30%	100	0.005	6	1.1 ±0.2 (0.043 ±0.008)	2,000
Z1206C600BPWST	60 ±25%	100	0.01	4	1.1 ±0.2 (0.043 ±0.008)	2,000
Z1206C800APWST	80 ±25%	100	0.01	4	1.1 ±0.2 (0.043 ±0.008)	2,000

1806 Case Size High Current Ferrite Chip Beads (Z-PWS Series)

Ordering Code	Impedance (Ω)	Measuring Frequency (MHz)	Maximum DC Resistance (Ω)	Maximum Rated Current (A)	Thickness mm (inches)	Tape & Reel Packaging Quantity
Z1806C560BPWST	56 ±30%	100	0.007	6	1.1 ±0.2 (0.043 ±0.008)	2,000
Z1806C900BPWST	90 ±25%	100	0.014	4	1.1 ±0.2 (0.043 ±0.008)	2,000
Z1806C720APWST	72 ±30%	100	0.007	6	1.1 ±0.2 (0.043 ±0.008)	2,000
Z1806C111APWST	110 ±25%	100	0.014	4	1.1 ±0.2 (0.043 ±0.008)	2,000

Multilayer Ferrite Chip Beads - Z-SMS/Z-PMS Series

Z-SMS Features:

- Internal silver printed layer creates a closed circuit which acts as a magnetic shield to minimize heat generation and crosstalk
- No need for grounding provides greater circuit design flexibility
- Several material types and a broad range of impedance values provide noise countermeasures for various applications (10th digit in part number)
- “A” Suppresses the XL component. Helps stop the reduction of the wave-form integrity (digital wave-form overshoot, etc)
- “B” Increases the Z characteristics sharply above 20MHz and is applicable for radiated noise in the 100MHz-300MHz range. Especially effective on video signal lines.
- “C” Designed as a noise countermeasure for 200MHz-500MHz range where the rise of the Z component is in the high frequency area.
- “D” Intended for noise suppression around 200MHz. Effectively increase attenuation
- “E” The best material in the Z-SMS Series to suppress the XL component and stop the reduction of the wave-form integrity while maintaining attenuation in the high frequency area.
- “F” Reduced DC resistance version for noise countermeasures around LSI power supplies

Z-SMS Applications:

- High frequency noise countermeasure in personal computers, digital cameras and other information system products. For use on digital product clock lines and general signal lines.
- Radiated noise suppression in computer or printer interfaces harness connectors.
- Noise suppression in video and other AV products
- Prevents interference between circuits in cellular phones (PHS, PDC, etc)
- Due to the closed internal circuit which acts as a magnetic shield, the “F” material is extremely effective as a noise filter on LSI power supplies where downsizing of components is needed.

Z-PMS Applications:

- High frequency noise countermeasures on the DC power supply line in personal computers and other information system products
- Noise suppression in USB and IEEE1294 interface
- Prevents interference between circuits in mobile systems (PDC, PHS, PDA)

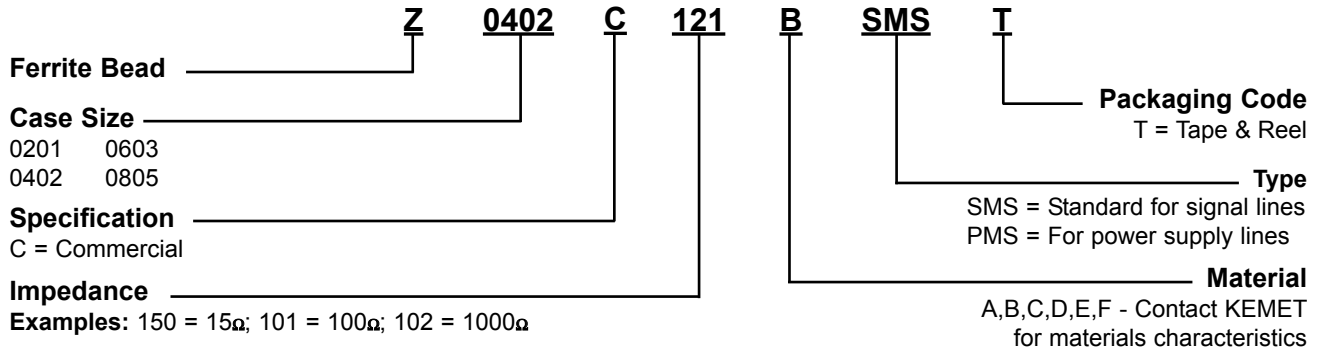
Operating Temperature:

- Z-SMS: -55°C to +125°C (includes self-generated heat)
- Z-PMS: -55°C to +85°C (includes self-generated heat)

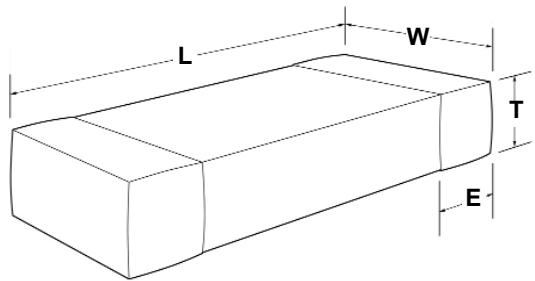
Z-PMS Features:

- Low Rdc values reduce power dissipation and extend battery life
- No need for grounding provides greater circuit design flexibility

Part Numbering Table



Dimension Table in millimeters (inches)



EIA Case Size	Metric Dim. Code	L Length (inches)	W Width (inches)	T Thickness Maximum (inches)	E (inches)
0201	0603	0.6 ±0.03 (0.2 ±0.001)	0.30 ±0.03 (0.012 ±0.001)	0.30 ±0.03 (0.012 ±0.001)	0.15 ±0.05 (0.006 ±0.002)
0402	1005	1.00 ±0.05 (0.039 ±0.002)	0.50 ±0.05 (0.020 ±0.002)	0.50 ±0.05 (0.020 ±0.002)	0.25 ±0.10 (0.010 ±0.004)
0603	1608	1.6 ±0.15 (0.063 ±0.006)	0.8 ±0.15 (0.031 ±0.006)	0.8 ±0.15 (0.031 ±0.006)	0.3 ±0.2 (0.012 ±0.008)
0805	2125	2.0 +0.3/-0.1 (0.079 +0.012/-0.004)	1.25 ±0.2 (0.049 ±0.008)	0.85 ±0.2 (0.033 ±0.008)	0.5 ±0.3 (0.020 ±0.012)

Multilayer Ferrite Chip Beads - Z-SMS, Z-PMS Series

0805 Multilayer Ferrite Chip Beads Standard Type (Z-SMS Series)

Ordering Code	Impedance (Ω) $\pm 25\%$	Measuring Frequency (MHz)	Maximum DC Resistance (Ω)	Maximum Rated Current (mA)	Thickness mm (inches)	Tape & Reel Packaging Quantity
Z0805C150ASMST	15	100	0.05	1200	0.85 ± 0.2 (0.033 ± 0.008)	4,000
Z0805C220ASMST	22	100	0.05	1200	0.85 ± 0.2 (0.033 ± 0.008)	4,000
Z0805C330ASMST	33	100	0.05	1200	0.85 ± 0.2 (0.033 ± 0.008)	4,000
Z0805C470ASMST	47	100	0.05	1000	0.85 ± 0.2 (0.033 ± 0.008)	4,000
Z0805C750ASMST	75	100	0.10	1000	0.85 ± 0.2 (0.033 ± 0.008)	4,000
Z0805C101ASMST	100	100	0.10	900	0.85 ± 0.2 (0.033 ± 0.008)	4,000
Z0805C121ASMST	120	100	0.15	800	0.85 ± 0.2 (0.033 ± 0.008)	4,000
Z0805C241ASMST	240	100	0.20	600	0.85 ± 0.2 (0.033 ± 0.008)	4,000
Z0805C431ASMST	430	100	0.25	500	0.85 ± 0.2 (0.033 ± 0.008)	4,000
Z0805C601ASMST	600	100	0.30	500	0.85 ± 0.2 (0.033 ± 0.008)	4,000
Z0805C102ASMST	1000	100	0.40	300	0.85 ± 0.2 (0.033 ± 0.008)	4,000
Z0805C121BSMST	120	100	0.15	800	0.85 ± 0.2 (0.033 ± 0.008)	4,000
Z0805C241BSMST	240	100	0.20	600	0.85 ± 0.2 (0.033 ± 0.008)	4,000
Z0805C471BSMST	470	100	0.25	500	0.85 ± 0.2 (0.033 ± 0.008)	4,000
Z0805C601BSMST	600	100	0.25	500	0.85 ± 0.2 (0.033 ± 0.008)	4,000
Z0805C102BSMST	1000	100	0.35	400	0.85 ± 0.2 (0.033 ± 0.008)	4,000
Z0805C560CSMST	56	100	0.20	600	0.85 ± 0.2 (0.033 ± 0.008)	4,000
Z0805C121CSMST	120	100	0.30	400	0.85 ± 0.2 (0.033 ± 0.008)	4,000
Z0805C241CSMST	240	100	0.35	300	0.85 ± 0.2 (0.033 ± 0.008)	4,000
Z0805C751DSMST	750	100	0.30	400	0.85 ± 0.2 (0.033 ± 0.008)	4,000
Z0805C152DSMST	1500	100	0.35	400	0.85 ± 0.2 (0.033 ± 0.008)	4,000
Z0805C182DSMST	1800	100	0.45	300	1.25 ± 0.2 (0.049 ± 0.008)	2,000
Z0805C252DSMST	2500	100	0.75	200	1.25 ± 0.2 (0.049 ± 0.008)	2,000

0805 Multilayer Ferrite Chip Beads For Power Lines (Z-PMS Series)

Ordering Code	Impedance (Ω) $\pm 25\%$	Measuring Frequency (MHz)	Maximum DC Resistance (Ω)	Maximum Rated Current (mA)	Thickness mm (inches)	Tape & Reel Packaging Quantity
Z0805C330APMST	33	100	0.020	4000	0.85 ± 0.2 (0.033 ± 0.008)	4,000
Z0805C600APMST	60	100	0.025	3000	0.85 ± 0.2 (0.033 ± 0.008)	4,000
Z0805C101APMST	100	100	0.040	2500	0.85 ± 0.2 (0.033 ± 0.008)	4,000
Z0805C221APMST	220	100	0.050	2000	0.85 ± 0.2 (0.033 ± 0.008)	4,000

DISCLAIMER

All electronic components or devices listed in this catalog are developed, designed and intended for use in general electronic equipment. Before incorporating these components into any equipment in the fields of aerospace, military or medical, where higher safety and reliability are required, please contact KEMET Corporation for more details.

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